

To: Aurell, Johanna[Aurell.Johanna@epa.gov]; Gullett, Brian[Gullett.Brian@epa.gov]
From: Tabor, Dennis
Sent: Wed 8/3/2016 12:45:37 PM
Subject: RE: QAPP Radford edits JA 08-02-2016.docx

I have looked over what Johana mentioned and she is right that TO-17 does quote those high numbers and are tenax numbers.

As an example Chlorobenzene is listed as 26L. When I checked the Scientific Instruments services charts it was 78L. The sampling was done at 20°C on 200mg beds.

One nice thing is that the UK method shows that the tubes hold compounds for 11 months at room temperature with no appreciable degradation.

Thanks,

**Dennis Tabor
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From: Aurell, Johanna
Sent: Tuesday, August 02, 2016 3:57 PM
To: Tabor, Dennis <Tabor.Dennis@epa.gov>; Gullett, Brian <Gullett.Brian@epa.gov>
Subject: RE: QAPP Radford edits JA 08-02-2016.docx

Well, these are the compounds and volume that were tenax can be used. Read Method 17, appendix.

From: Tabor, Dennis
Sent: Tuesday, August 02, 2016 3:37 PM
To: Aurell, Johanna <Aurell.Johanna@epa.gov>; Gullett, Brian <Gullett.Brian@epa.gov>
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Sorry to rain on the parade, But the list in TO-17 that includes safe sampling volumes are not for just Tenax traps they are for multibed traps (which have tenax and usually some form of Carbopack). There are a few that are just tenax. If we want to go with multibed traps we will have to buy them.

Thanks,

**Dennis Tabor
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From: Aurell, Johanna

Sent: Tuesday, August 02, 2016 3:26 PM

To: Gullett, Brian <Gullett.Brian@epa.gov>

Cc: Tabor, Dennis <Tabor.Dennis@epa.gov>

Subject: QAPP Radford edits JA 08-02-2016.docx

Brian,

Here is the latest version. You have to add a third person from EPA. There are comments still in there. I have added Table3-2, 3-3 and 2-3, and some text in blue (chapter 2). It seems like they want a lot of schedule details and I don't know how many hours we need to make test flights etc. Table 3-3 includes all VOCs that can be trapped on tenax, this does not mean we are analyzing for them (Dennis doesn't have standards either so you might want to look for an outside lab who can do tenax analyses). It would be could to have their target VOC list.

Johanna